

Report No.: 17

Test Time: 15.09.2017 10:46

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 3x40LED 0,39A 40W 3000K

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 231.7 V

Power: 39.46 W

Luminous Length (mm): 1500

Luminous Height (mm): 64

Current: 0.177 A

Power Factor: 0.957

Photometric Results

CIE Class: Direct

Measurement Flux: 4480.4 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.4, 163.2, 154.8, 153.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 78.7, 80.7, 77.4, 76.9

Luminaire Efficacy Rating (LER): 113.59

Max. Intensity: 2226.38 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 4480.4 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 2222.5 cd

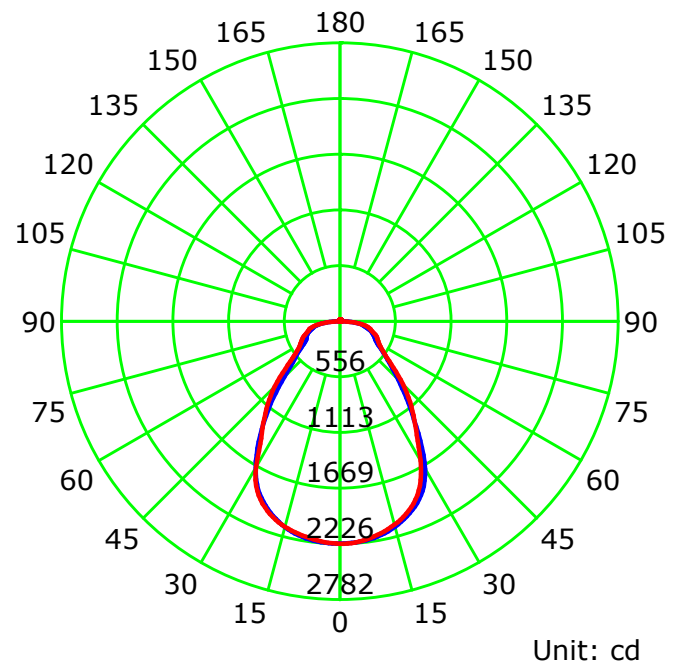
Pos of Max. Intensity: H135 V0

S/MH(C90/C270): 1.13

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

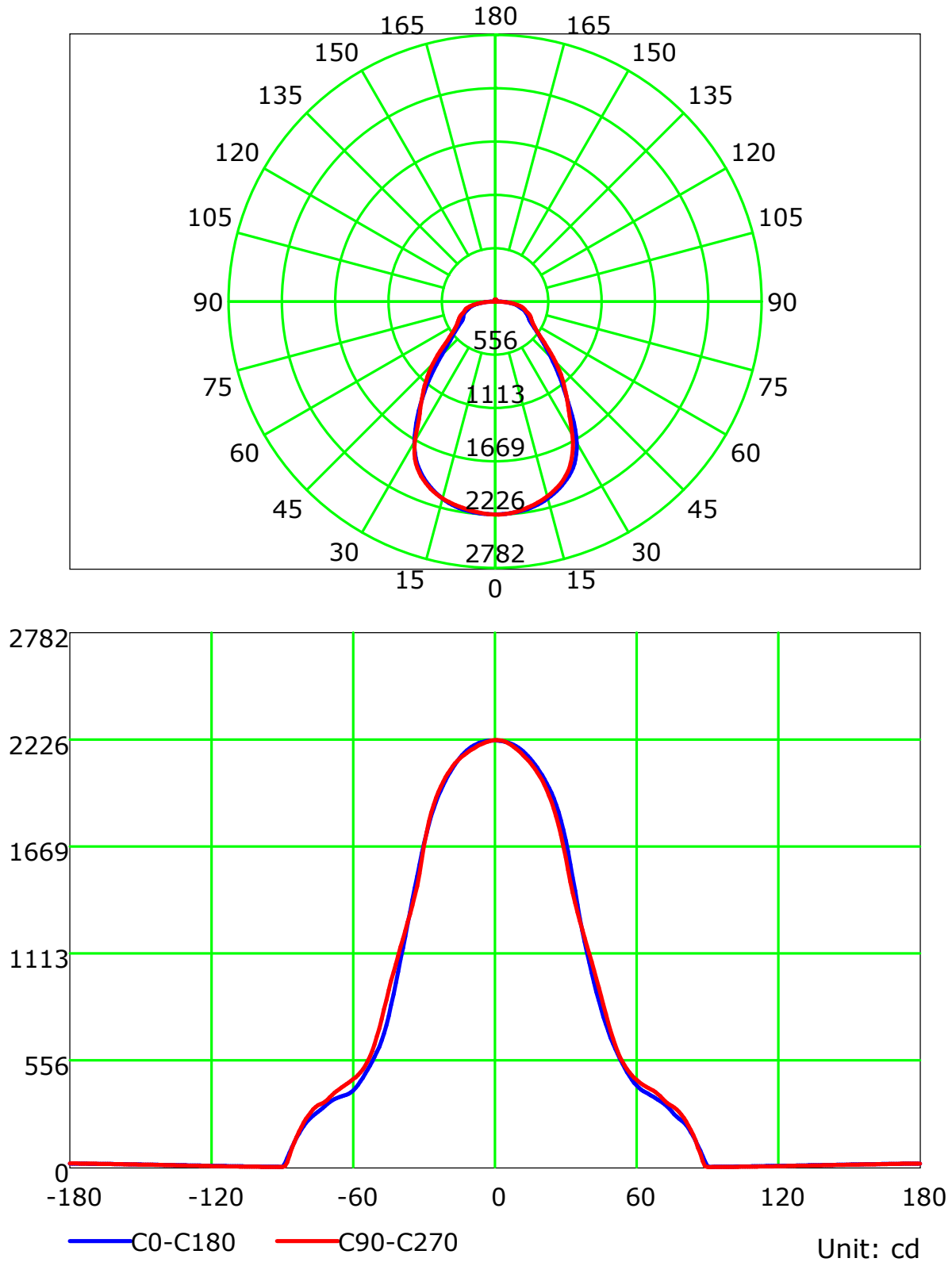
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

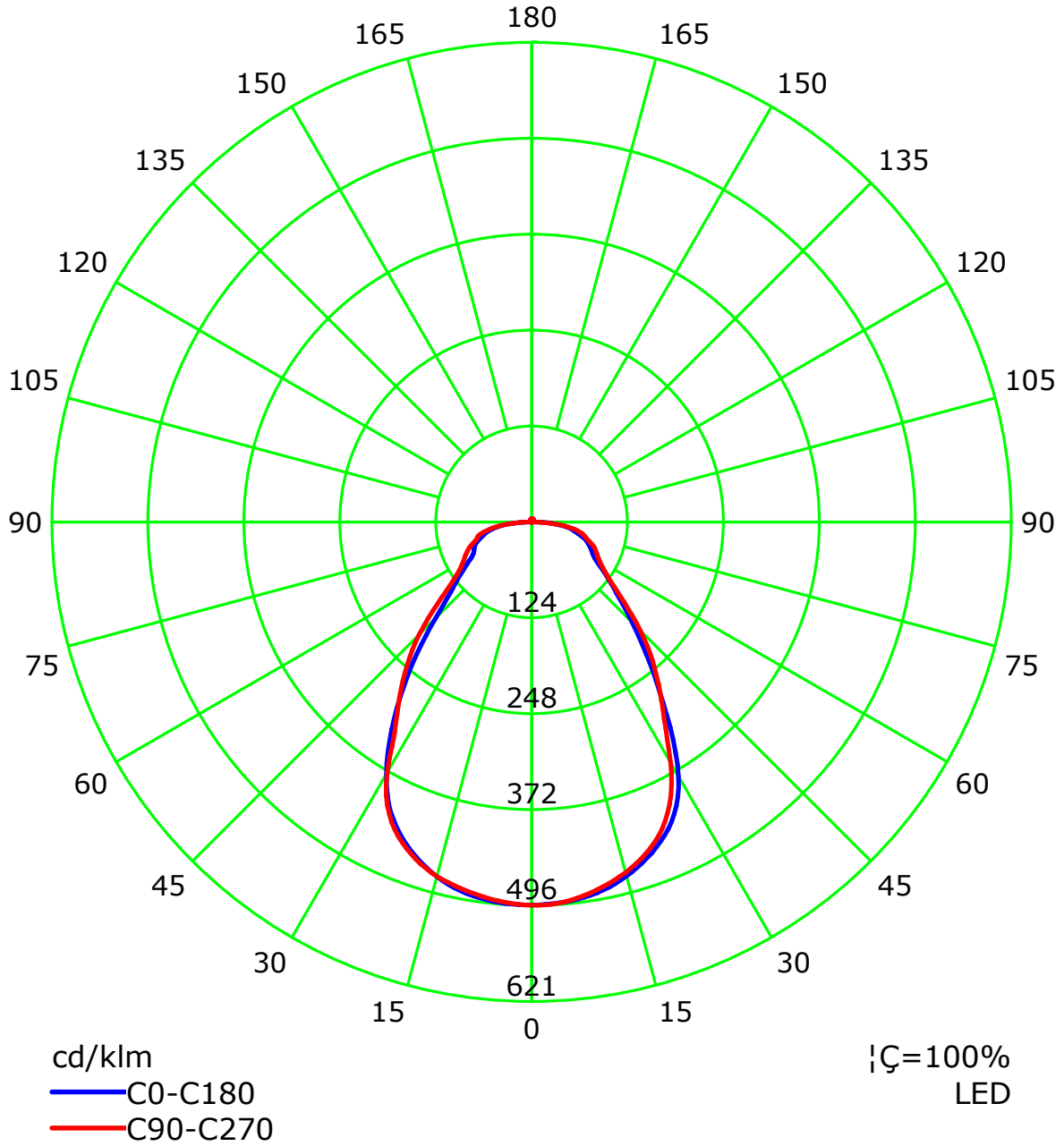
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

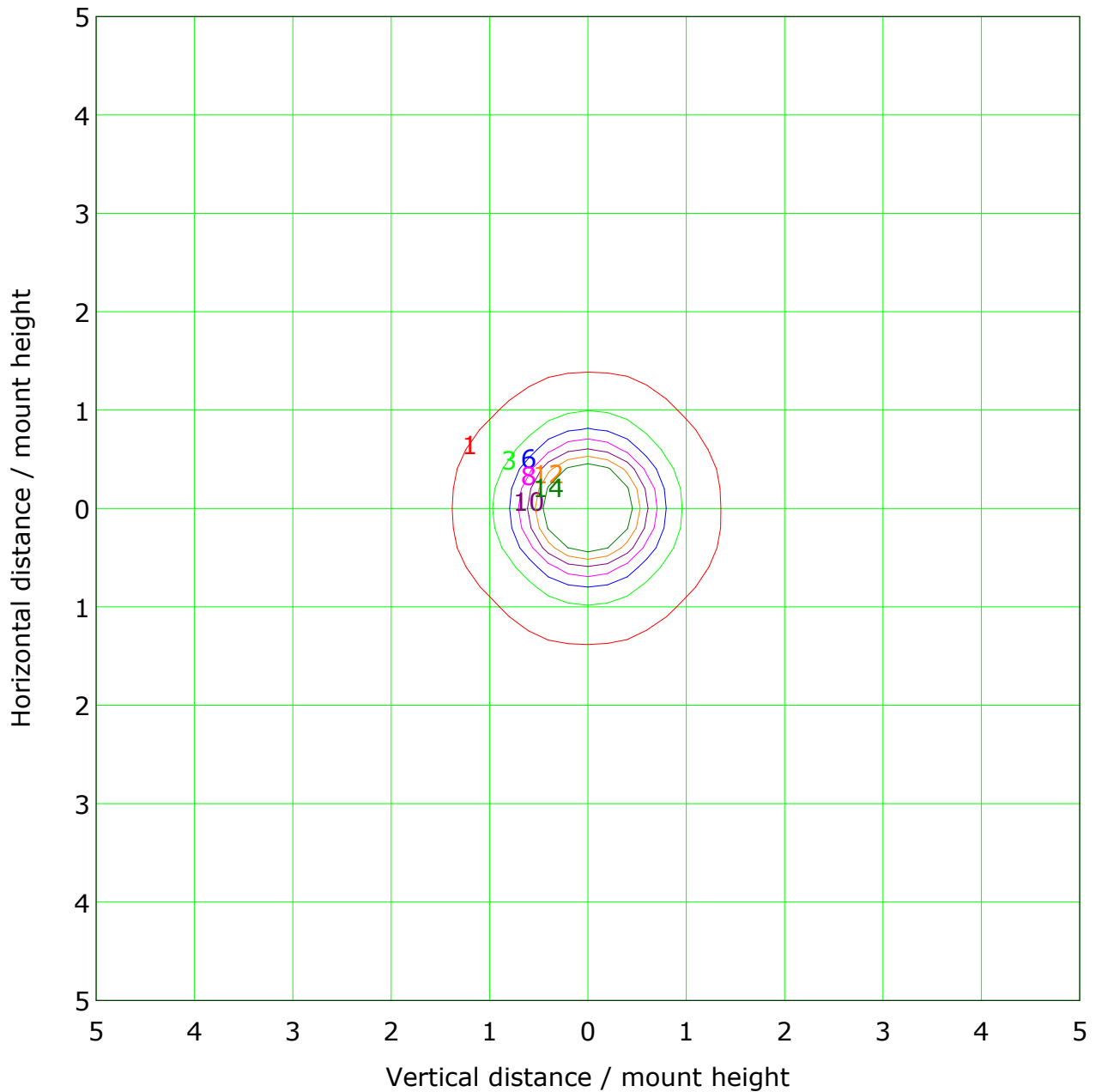
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 22.3 lx

(5%): 1.1 lx	(15%): 3.3 lx
(25%): 5.6 lx	(35%): 7.8 lx
(45%): 10.0 lx	(55%): 12.2 lx
(65%): 14.5 lx	

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Temperature:

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Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.606 m

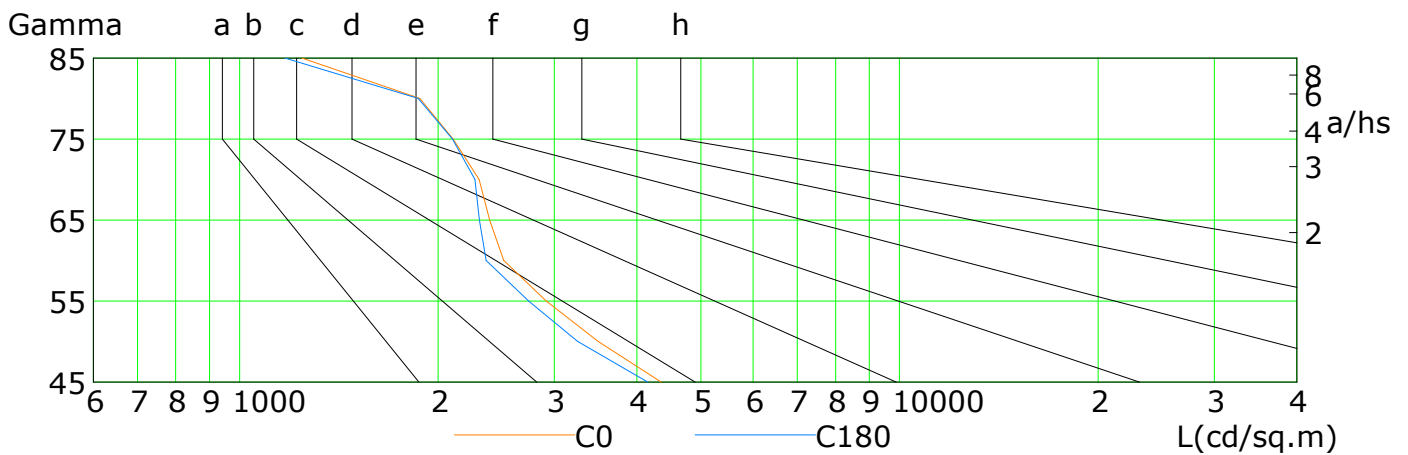
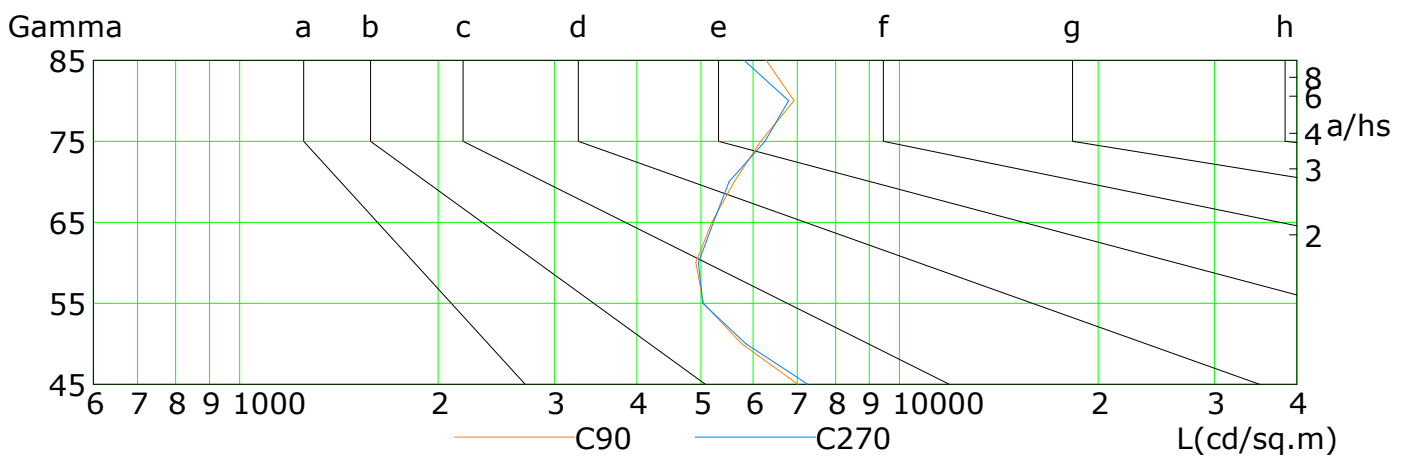
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4353	3493	2916	2514	2392	2306	2108	1877	1244
C90	7013	5763	5044	4913	5193	5618	6161	6921	6278
C180	4157	3255	2741	2363	2310	2272	2101	1865	1173
C270	7264	5846	5038	4955	5225	5516	6251	6792	5817

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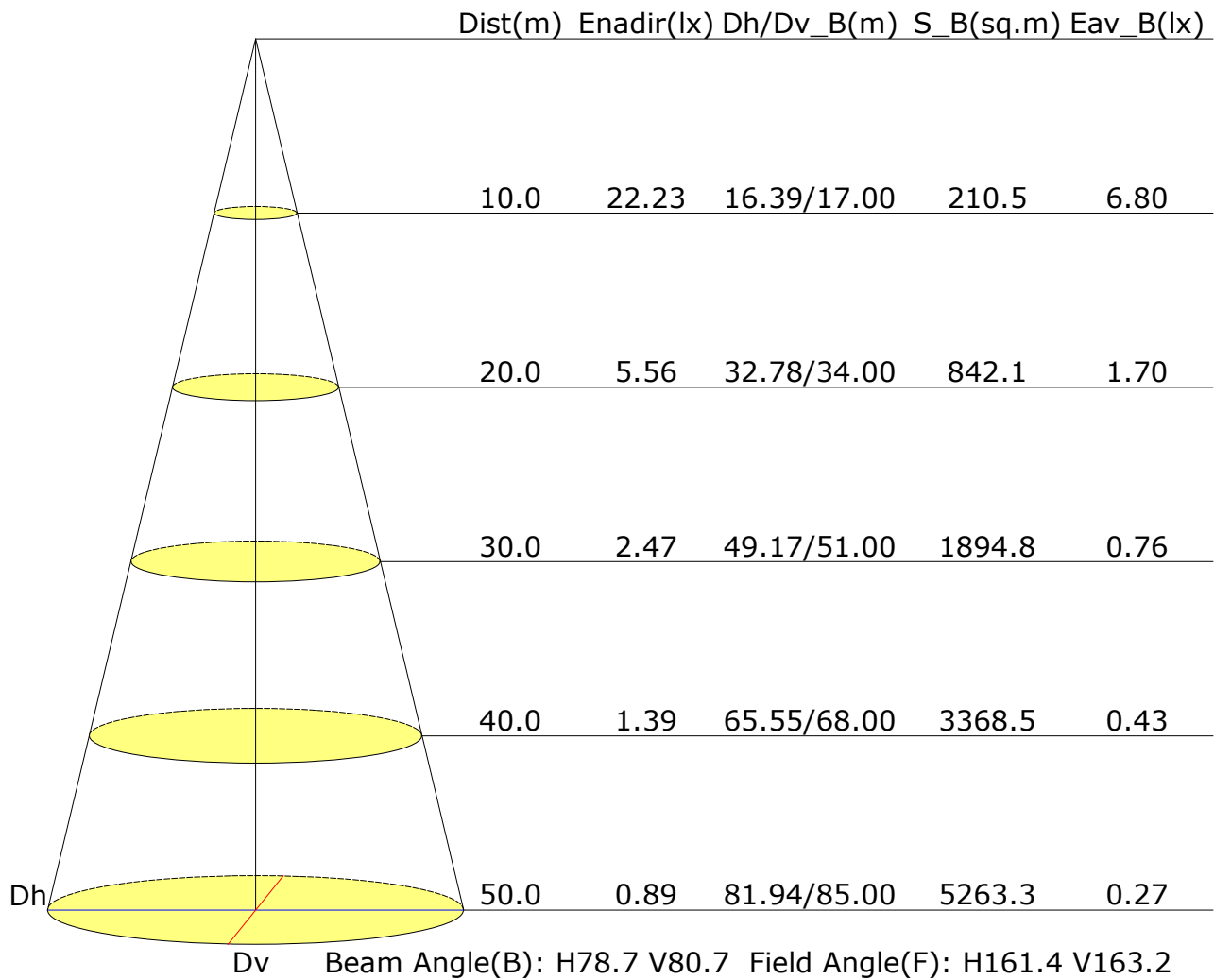
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector: